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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

03/18/2004

EXAMINER

Thomas N. Giaccherini Anglin & Giaccherini Post Office Box 1146 Carmel Valley, CA 93924 GREGORY, BERNARR E

ART UNIT PAPER NUMBER

3662

DATE MAILED: 03/18/2004

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/770,237 | 01/26/2001 | Ronald J. Kane | TER2000-1 | 6796 |

TITLE OF INVENTION: BODY MOTION TRACKING SYSTEM

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | VES | \$665 | \$300 | \$965 | 06/18/2004 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

| | | | or <u>Fax</u> | (703) 746-4000 | 5imia 22313 1 400 | |
|--|---|--|--|--|---|--|
| INSTRUCTIONS: This forr appropriate. All further cornindicated unless corrected be maintenance fee notifications | n should be used for trans espondence including the P elow or directed otherwise | mitting the ISSUE atent, advance orde in Block 1, by (a) | FEE and PUBLIC ers and notification specifying a new c | | nired). Blocks 1 through 4 s will be mailed to the current c; and/or (b) indicating a sepa | hould be completed where correspondence address as arate "FEE ADDRESS" for |
| | ADDRESS (Note: Legibly mark-up | with any corrections or us | se Block 1) | Note: A certificate o | f mailing can only be used f | or domestic mailings of the |
| 7590 03/18/2004 | | | | papers. Each addition | his certificate cannot be used al paper, such as an assignment te of mailing or transmission. | for any other accompanying ent or formal drawing, mus |
| Thomas N. Giacch | nerini | | | Ce | rtificate of Mailing or Tran | smission |
| Anglin & Giaccherini Post Office Box 1146 Carmel Valley, CA 93924 | | | | I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below. | | |
| Carrier valley, CA |)3) 24 | | | | | (Depositor's name) |
| | | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | FI | RST NAMED INVEN | TOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| nonprovisional | YES | \$665 | | \$300 | \$965 | 06/18/2004 |
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| 1. Change of correspondence | address or indication of "Fe | e Address" (37 | 2. For printing or | the patent front page | . list (1) the | |
| CFR 1.363). | | , | names of up to | 3 registered patent a natively, (2) the name | attorneys or 1 | *** |
| ☐ Change of corresponder Address form PTO/SB/12 | nce address (or Change of Co 2) attached. | orrespondence | firm (having as a | member a registered | attorney or 2 | |
| "Fee Address" indication (or "Fee Address" Indication form | | | agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | |
| 3. ASSIGNEE NAME AND | RESIDENCE DATA TO BE | E PRINTED ON TH | HE PATENT (print | or type) | | |
| | | ow, no assignee dat ubmitted under sepa | a will appear on th trate cover. Comple | e patent. Inclusion of a tion of this form is NO | ssignee data is only appropri T a substitute for filing an ass | ate when an assignment has signment. |
| (A) NAME OF ASSIGNE | E | (B) | RESIDENCE: (CI1 | TY and STATE OR CO | OUNTRY) | |
| Please check the appropriate | assignee category or categor | ies (will not be prin | ted on the patent); | 🗅 individual 🚨 | corporation or other private g | roup entity 🚨 governmen |
| 4a. The following fee(s) are e | nclosed: | | Payment of Fee(s): | | | |
| ☐ Issue Fee | | | | nount of the fee(s) is en | | |
| ☐ Publication Fee ☐ Payment by credit card. Form PTO-2038 is attached. ☐ Advance Order - # of Copies ☐ The Director is hereby authorized by charge the required fee(s), or credit any | | | | | | |
| Director for Patents is request | ted to apply the Issue Fee an | | | y any previously paid | issue fee to the application ide | ** |
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| 7: | 590 | 03/18/2004 | | EXAM | INER |
| Thomas N. Giaco | | | | GREGORY, E | BERNARR E |
| Anglin & Giaccher Post Office Box 11 | | | | ART UNIT | PAPER NUMBER |
| Carmel Valley, CA | Carmel Valley, CA 93924 | | | 3662 | |
| | | | | DATE MAILED: 03/18/200 | 4 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 269 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 269 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

SL

| | Application No. | Applicant(s) |
|---|--|--|
| | 09/770,237 | KANE ET AL. |
| Notice of Allowability | Examiner | Art Unit |
| · | Bernarr E. Gregory | 3662 |
| The MAILING DATE of this communication apperatus All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to | plication. If not included not will be mailed in due course. THIS |
| 1. \boxtimes This communication is responsive to <u>the telephonic conver</u> | rsation of 04 March 2004. | |
| 2. The allowed claim(s) is/are 1-20 and 23-29. | | |
| 3. \boxtimes The drawings filed on <u>26 January 2001</u> are accepted by the | e Examiner. | |
| 4. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: | been received. been received in Application No | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | of this communication to file a reply IENT of this application. | complying with the requirements |
| 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | itted. Note the attached EXAMINER es reason(s) why the oath or declara | S AMENDMENT or NOTICE OF ation is deficient. |
| CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the deposit of t | son's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawing the header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL r | Office action of ngs in the front (not the back) of d). The submitted in the the the submitted in the submi |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date | 6. Interview Summary Paper No./Mail Da 7. Examiner's Amendr | te |

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Art Unit: 3662

1. In a telephonic conversation, Applicants' attorney authorized the examiner to disable to hyperlink noted in the Office Action under Ex Parte Quayle.

2. The following is an examiner's statement of reasons for allowance:

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed method as set forth in independent claim 1 that is particularly characterized at least by the claimed method steps of "providing a plurality of widely-spaced receiving antennas ..."; "measuring a phase difference ($\Delta \phi 1$) ..."; "changing a physical position of said transmitter ..."; and "estimating a change ..." taken together and taken in the overall context of independent claim 1.

Dependent claims 2-12 are allowable for at least the reasons for which claim 1 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed apparatus as set forth in independent claim 13 that is particularly characterized at least by the claimed "plurality of widely-spaced receiving antennas ..."; the device that measures "phase difference ($\Delta \phi 1$) ..." and the device that measures "phase difference ($\Delta \phi 1$) ..." and the device that measures (82) in said physical position ..." taken together and taken in the overall context of independent claim 13.

Dependent claims 14-18 are allowable for at least the reasons for which claim 13 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed method as set forth in independent claim 19 that is particularly characterized at least by the claimed method steps of "representing a length ..."; "assuming a plurality of values ..."; "measuring a phase difference ..."; "selecting one of said plurality of values ..."; and "iterating said calculations ..." taken together and taken in the overall context of independent claim 19.

Dependent claims 20 and 23-29 are allowable for at least the reasons for which claim 19 is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703) 306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 09/770,237

Art Unit: 3662

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bernarr E. Gregory

Page 4

Primary Examiner

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